



Hydraulic OIL ZF HVLPD 22

Product Code: 77180

Mineral Hydraulic Fluid with additional Stick Slip

Hydraulic Oil ZF HVLPD 22 is a superior quality lubricant specially developed to meet the requirements of premium hydraulic fluids, slideway oils and industrial gear lubricants.

Hydraulic Oil ZF HVLPD 22 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Low frictional properties reduce chatter and stick-slip of slides and ways.
- Improved surface finish and dimensional accuracy of workpieces.
- Excellent demulsibility provides ready separation from soluble cutting fluids
- Good filterability provides easy circulation through filters and reduces stick-slip, chatter and wear.
- Excellent anti-wear performance provides high levels of protection for gears, bearings and slides.
- Effective rust and corrosion inhibitors provide enhanced protection of machine tool slides even in presence of aqueous cutting fluids.
- Good thermal and oxidative stability.

Hydraulic Oil ZF HVLPD 22 exceeds the following performance criteria:

DIN 51524 Part II

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J 300	22
Density @15°C	kg/m ³	ASTM D4052	854.4
Kin. Viscosisty @40°C	mm ² /s	ASTM D7042	21.3
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	5.2
Viscosity Index		ASTM D2270	187
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-54
CM Stick Slip Frictional Test		CM	<0.8
Copper Corrosion 3 hrs @100°C, max		ASTM D130	1b

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